

ABSTRACT OF THE DISCLOSURE

A laminated low pass filter including a dielectric block having a plurality of laminated dielectric layers, input and output electrodes and outer ground electrodes formed on outer side surfaces of the dielectric block, so as to pass therethrough a signal inputted to the outer input electrode, only in a low frequency band, and then to output the passed signal to the outer output electrode. The laminated low pass filter also includes a transmission line including a distributed constant element made of a strip line formed on a first one of the dielectric layers, while being uniformly distributed with an inductance and a capacitance, the distributed constant element being connected between the input electrode and the output electrode, and a capacitor electrode structure having at least two layers while being connected between the input electrode and the output electrode. The capacitance electrode structure forms a capacitance connected in parallel to the transmission line. Since the laminated low pass filter is simply implemented by use of the transmission line and capacitors formed on the dielectric block having a multilayer structure, it can have a miniature size while exhibiting improved insertion loss characteristics, as compared to conventional laminated low pass filters implemented by use of concentrated constant elements.